/14-15

ಶ್ರೀ ಪ್ರಭು ಮಾಸ್ಟರ್ ಲೇಔಟ್,
2-ನೇ ಮಾಸ್ಟರ್ ವಿದ್ಯಾರಣ್ಯಪುರ,

259001 ರಿಂದ 259100 ರವರೆಗೆ
ಪುಟಗಳು,

Executive Engineer
Vidyaranyapura Division
Dhanka Zone, B.E.M.P.
Bangalore-560092

22/12/2014.

First & Final Bill

SBRNO-325/14-15
Dt: 24-3-15

BR-61/16-5-15

M. A. R. 57 (Rule 116)
Measurement Book

No. B 259001

Serial No. .....
Name of Work ..... Construction of Ranga Mandhira building in ward No-10, Doddabommasandra, From Vidyaranyapura Sub-division To
Name of Contractor of nature of Agency ..... Sri. Madhusudan R.
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work Code No; 210-15-000032.						
	Agreement No; 200 Dated 8-01-2015.						
	Work order No; EE/BTP/BBMP/E-PMT/200/2014-15. Date 8-01-2015.						
	Address of Agency; #830, 5th Block BEL Layout Vidyaranyapura Bangalore-97						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1) Earth work excavation for foundation of buildings, Culverts, water supply Sanitary line and electrical conduits either in Pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5m, in depth including dressing the bottom and sides of Pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m.						
		1	27.50	25.00	0.20	= 137.50 cum	
			Qty limited to tender			= 130.00 cum	
			@ Rs 221.42			Rs 28785.00	
	2) providing and laying in position plain cement concrete of mix M7.5 with OPC cement at 180kgs with 40mm and down size graded granite metal coarse aggregates and fine aggregates machine mixed, concrete laid in layers not exceeding 150mm thick well compacted in foundation and plinth, including cost of all materials as per specifications.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	for columns	
	Verified Fully 14/5/15	
	3) Providing and constructing basement with cement courses not less than course including cost of complete as per specifi	

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Depth 6	Contents 7	Reference to last Measurement 8
	ings, Culverts) water supply in Pits or in trenches 1.5m and g 1.8m, in depth including enches, stacking the excavated d upto 50m.	
	0.20 = 137.50 cum	
	Tender = 130.00 cum	
	RS 28785.00	
	ment concrete of mix M7.5 with m size graded granite metal chine mixed, concrete laid in pected in foundations and s as per specifications.	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259002

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
C&FC & Verified Rupali 14/5/15	for columns	U	1.50	1.50	0.15 =	1.35 cum	
		L	27.50	26.00	0.15 =	103.13 cum	
					Total =	104.48 cum	
	Qty limited to Tenders				=	98.85 cum	
	@ RS 4169.27 cft					RS 412132.00	
3)	Providing and constructing granite/trap/basalt Size Stone masonry in basement with cement mortar 1:6 edges of Stones chisle dressed in courses not less than 15cms high, bond stones at two, apart in each course including cost of materials, labour, curing with new Stones etc complete as per specifications.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		@	30.80	0.60	1.20 =	44.35 Cum	
				Qty limited =		43.20 Cum	
		@ Rs 5156.75				Rs 222772.00	
4)	Providing and laying in position plain cement concrete of mix M15 with OPC cement @ 240kgs with 20mm and down size graded granite metal coarse aggregates machine mixed. Concrete laid in layers not exceeding 15cms thick well compacted, in foundation and plinth, including cost of all materials						
		L —	30.00	1.80	0.15 =	8.10 cum	
		L —	30.00	1.80	0.15 =	8.10 Cum	
		L —	30.50	1.80	0.15 =	8.24 Cum	
					Total =	24.44	
		@ Rs 4643.60				Rs 200604.00	

112839=00

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
5)	Providing flush pointing to with cement mortar 1:3 20 nicely lining including cost Specifications and direction	2 2 2

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Depth 6	Contents 7	Reference to last Measurement 8
1·20 =	44·35 Cum	
ffed =	43·20 Cum	
	Rs 222772·00	
- concrete of mix M15 with OPC		
ac graded granite metal course		
layers not, exceeding 15cms thick		
including cost of all materials		
0·15 =	8·10 Cum	
0·15 =	8·10 Cum	
0·15 =	8·24 Cum	
Total =	24·44	
	Rs 200604·00	

112839=00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259003

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
5)	Providing flush pointing to square rubble, course or uncoursed stone masonary with cement mortar 1:3 20mm deep, after raking joints to depth of 20mm nicely lining including cost of materials, labour, curing etc complete as per Specifications and directions of engineer.						
		2 —	30.00	1.60	=	96.00 Sqm	
		2 —	30.00	1.60	=	96.00 Sqm	
		2 —	30.50	1.60	=	97.60 Sqm	
					Total =	289.60 Sqm	
	Summary cft						
	DELIVERING Qty idmitted to tender =					288.00 Sqm	
	@ Rs 77.66					Rs 22366.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	6) providing and laying cement concrete using 20mm and down size granite course aggregates and fine aggregates of ready mixed concrete for R.C.C works laid in 150mm thick layers and well compacted including vibrating curing etc. including smooth finish in CM 1:3 with all lead and lift etc Ready mixed cement concrete for Beam, column, staircase and Roof with H20 etc complete as per specifications and direction of engineer in charge of the work						
	column footing	4	1.20	1.20	0.50 =	2.88 cum	
	columns	4	0.80	0.80	0.40 =	1.02 cum	
		4	0.30	0.30	4.90 =	1.58 cum	
					Total =	5.49 cum	
		Qty limited to Tender =				4.91 cum	

Serial No. .....

Name of Work ..... Fr

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
		@ RS 6
7)	providing T.M.T Steel reinfor cutting, bending, hooking pla required, tying with bind members wherever necessary	
	Qty vide	@

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Depth 6	Contents 7	Reference to last Measurement 8
		zones and down Size granite
		ready mixed concrete for R.C.C
		compacted including vibrating
		1:3 with all Lead and lift etc
		cum, Stair case and Roof with
		and direction of engineer in
	0.50 = 2.88 Cum	
	0.40 = 1.02 Cum	
	4.90 = 1.58 Cum	
	total = 5.48 Cum	
	Tender = 4.91 Cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259004

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		@ RS 6284.86				RS 30859.00	
7)	Providing T.M.T Steel reinforcement for R.C.C work including Straightening, Cutting, bending, hooking placing in position capping and/or welding where required, tying with binding wire and anchoring to the adjoining members wherever necessary complete						
		Qty vide Item No 259090				= 5.40 Qtl	
		@ RS 7171.6				RS 38734.00	

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Sinsey DEE VR Proj.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	8) Providing and removing centering, shuttering, struting, propping etc and removal of foran work for columns, pillars, piers, post and struts circular or curved in plain including cost of all materials.						
	Column footing	4	4.80	0.50		= 9.60 SQM	
		4	3.20	0.40		= 5.12 SQM	
	Columns	4	1.20	4.40		= 21.12 SQM	
						Total = 35.84 SQM	
						Qty limited to tender = 35.84 SQM	
		@ Rs 827.98					Rs 29675.00
		contd on page no 259077.					
	9) Providing and removing centering, shuttering, struting, propping etc and removal of foran work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	including cost of all mat	
	beam	2
		2
		2
	Plinth beam	4
		4
		4

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OOK

th	Depth 6	Contents 7	Reference to last Measurement 8
		ng, Struting Propping etc	
		pillars Piers post and Struts	
		ft of all materials.	
0		= 9.60 Sqm	
0		= 5.12 Sqm	
0		= 21.12 Sqm	
		Total = 35.84 Sqm	
		enter = 35.84 Sqm	
38		RS 29675.00	
		no 259077.	
		, Struting propping etc and removal	
		beams. beam haunchings. Cantilever	
		exceeding 1m in depth	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 259005

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	including cost of all materials, labour etc						
	beam	2	30.00	1.10		= 66.00 Sqm	
		2	30.00	1.10		= 66.00 Sqm	
		2	10.00	1.10		= 22.00 Sqm	
	Plinth beam	4	30.00	0.15		= 18.00 Sqm	
		4	30.00	0.15		= 18.00 Sqm	
		4	10.00	0.15		= 6.00 Sqm	
					Total =	196.00 Sqm	
	cost						
	Rinsup	@ RS 237.16				RS 46483.00	
	DEE VR Rng -						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	11) Fabricating supplying and rectg M.S. Tubular Truss of span upto 10m bottom and top members is provided with 50x50x6mm double equal angles welded back to back and in between top and bottom tune, in areas of mild section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided all the members are welded together with 6mm gusset plate as per drawing complete as per specifications						
	100mm dia Pipes	24	3.50			= 84.00mt	
		wt = 50 Kg/mt				= 420 kg	
	trusses	1	70.00	x 15kg/mt		= 1050.00kg	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	Pipe 63mm ϕ —	2
	Add 10% for gusset plat	
	e&M	
	Linsup	
	AEE VR	

OOK

Depth 6	Contents 7	Reference to last Measurement 8
ver Truss of span upto 10m 50x50x6mm double equal angles nd bottom line, in area of mid l single angle for vertical and) 40x40x5mm single angle as together with 6mm gusset plate ations		
=	84.00mt	
=	420 kg	
/mL =	1050.00kg	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259006

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Pipe 63mmφ	24	x3.00 x	15kg/mL	=	1080.00kg	
		1	x70.00x	3.5kg/mL	=	245.00kg	
					Total:	2795.00kg	
	Add 10% for gusset plates etc				=	279.52kg	
					Total =	3100.00kg	
	Lintel AEE VKPuram			@ Rs 123.83		Rs 383873.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(12) Providing Meta colour sheet roofing costu J & L hooks, bolts and nuts 8mm dia C.I. Plain and bituman washers over the existing purlins, rafters and trusses including cost of materials labour. etc complete as per specification						
			L — 30.00	3.37	=	101.10 Sqm	
			L — 30.00	3.37	=	101.10 Sqm	
			L — 10.00	3.37	=	33.70 Sqm	
					Total =	235.90 Sqm	
			@ RS 1188.00			RS 280249.00	
					Total RS	1958903.00	
					Zadhav	19,53,33=00	
						AE 28/7/2015	

Serial No. .....
Name of Work ..... From
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	Certificate;	
	Certified that the above i'ssued from department	
	Measurement continued on Of this No. B 010 – 2	

BOOK

ns Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
u J & L hooks, bolts and nuts & ma the existing purlins, rafters and abour. etc complete as per specifica			
·37	= 101.10 Sqm		
·37	= 101.10 Sqm		
·37	= 33.70 Sqm		
	Total = 235.90 Sqm		
·00		Rs 280249.00	
		Total Rs 1958903.00	
		Zadhav 19,53,33=00	
		AE 28/2/2015	

M. A. R. 57 (Rule 116) No. B

Measurement Book

Serial No. .....

Name of Work ..... From ..... To .....

Name of Contractor of nature of Agency .....

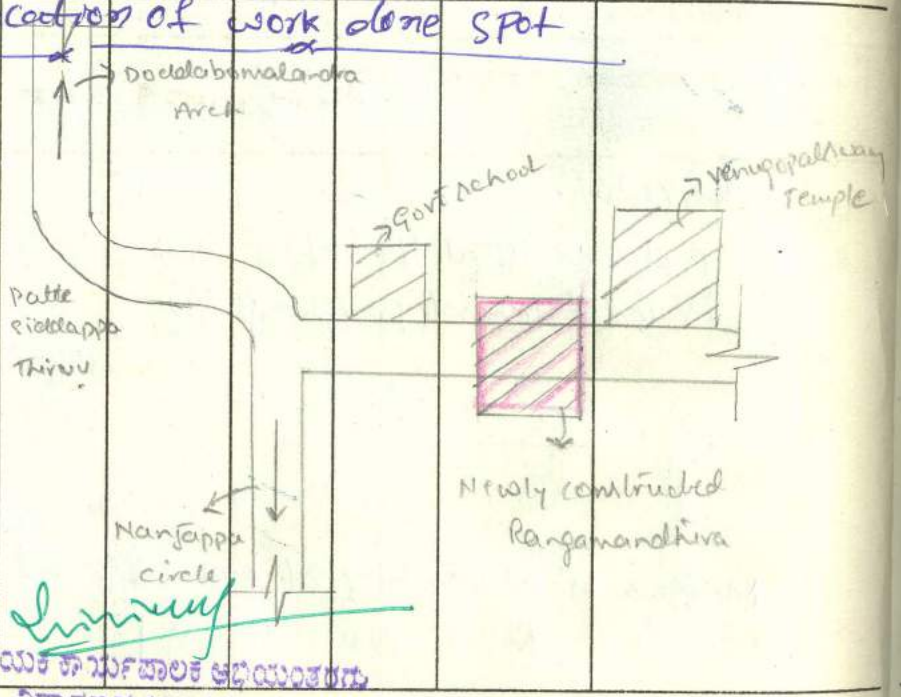
Date of commencement of work .....

259007

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Certificate; Certified that the above work done satisfactory and no materials issued from department ally. Zadhav AE 28/2/2015						15/2/16.
	Measurement continued on page no - 259077 to 78 of this MB no - 2591						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Sketch showing the location of work done					SPOT	



Jadhav
AE

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ

First & Final Bill

SBR No - 335/14-15
Dt: 26-3-15

Serial No. .....
Name of Work - Improvements to Da... my Road in ward...
Name of Contractor of nature of Agency ... Sri...
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	Work Code No; 010 - 15	
	Indent No; 13885	
	Aggrement No; 314	D...
	Work order No; EE/BT	
	Address of Agency; #15	